LITVINOVA, N.F.; MALYSHRV, V.I.; TUROVTSEVA, Z.M.

Determination of oxygen in sodium and in the alloy Ma-K. Trudy kom.anal.khim. 10:97-102 '60. (MIRA 13:8) (Oxygen-Analysis) (Scdium-Oxygen content) (Sodium-potassium alloys-Oxygen content)

(Sodium-potassium alloys-Oxygen content)

MALIKOVA, Ye.D.; TUROVTSEVA, Z.M.

Determination of oxygen in alkaline earth metals by means of distillation. Trudy kom.anal.khim. 10:103-108 '60. (MIRA 13:8)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR, Moskva.

(Oxygen-Analysis)
(Alkaline earth metals--Oxygen content)

TUROVTSEVA, Z.M.; LITVINOVA, N.F.; VASIL'YEVA, N.M.; SEMENYUK, K.G.

Vacuum-fusion method employing a platinum tand for the determination of gases in metals. Trudy kom.anal.khim. 10:109-116 '60. (MIRA 13:8)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR, Moskva. (Gases in metals)

KUZNE SOV, L.M.; MAKAROV, Ie.S.; TUROVTSEVA, Z.M.

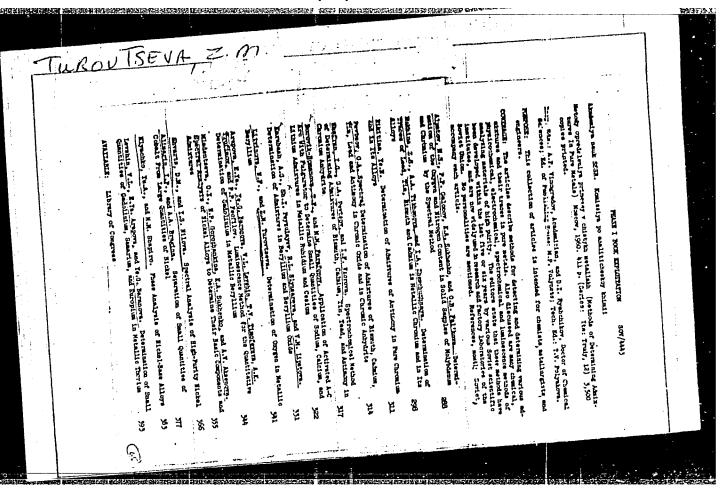
Application of I-ray structural phase-shift analysis to the determination of gases in metals. Trudy kom.anal.khim. 10:122-128 (MIRA 13:8)

10.

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo (M. SSSR, Koskva.)

(Gases in metals)

(X-ray crystallography)



PHASE I BOOK EXPLOITATION SOV/3584

Turovtseva, Zinaida Mikhaylovna, and Lev Lazarevich Kunin

Analiz gazov v metallakh (Analysis of Gases in Metals) Moscow, Izd-vo AN SSSR, 1959. 390 p. 2,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut geokhimii i analiticheskoy khimii.

Ed.: A.P. Vinogradova, Academician; Ed. of Publishing House: N.V. Travin; Tech. Ed.: R.Ye. Zendel'.

PURPOSE: This book is intended for scientists and metallurgical engineers concerned with the gaseous impurities in metals.

COVERAGE: The book presents theoretical principles of determining gases in metals, describes the equipment and methods used in determining the hydrogen, oxygen and nitrogen content in metals, and makes recommendations for selecting methods and conditions and makes recommendations for selecting methods and conditions suitable for analyses. Data from investigations done by Yu.A. Klachko and V.A. Zhabina on conditions for the extraction of

card 1/11

Analysis of Gases in Metals

SOV/3584

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oxygen from metals by the vacuum-fusion method and from research carried out at the Institut geokhimii i analiticheskoy khimii imeni Vernadskogo (Institute of Geochemistry and Analytical Chemistry imeni Vernadskiy) on the use of the vacuum-fusion method are used. Instruments for vacuum-fusion analysis were designed mainly at Institut metallurgii AN SSSR (Institute of Metallurgy of the Academy of Sciences USSR), Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute for Ferrous Metallurgy), and the Institute of Geochemistry and Analytical Chemistry. The research done by S.A. Mandel'shtam and O.B. Fal'kova on the spectrographic determination of oxygen and nitrogen in steel and the work of N.S. Sventitskiy on the spectrographic determination of hydrogen in metals was reviewed in collecting material for this book. The spectral analysis of gases based on the cathode tube discharge method of B. Rosen [American] is also covered along with the use of stable isotopes to determine gases in metals using mass spectrometric and spectral methods, the sulfur method [A.K. Babko], and the bromine-carbon method for determination of the presence of oxygen. According to the authors, the vacuum-fusion method, while adequate for Card 2/11

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by ter	termining hydrogen and oxygen, is inadequate for nitroger mination. Chapter X is devoted to a chemical method dev B.A. Generozov (Deceased), for determination of nitroger at. There are 195 references: 33 Soviet, 116 English, 2019, 9 Japanese, 7 French, 1 Italian, and 1 Dutch.	vel oped
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TUROVISAVA, Zinaida Mikhaylovna; KUNIN, Lev Lazarevich; VINOGRADIVA,
A.P., skademik, red.; TRAVIN, B.V., red.izd-va; ZPNDEL", R.Ye.,
tekhn.red.

[Analysis of gases in metals] Analiz gazov v metallakh.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 390 p. (MIRA 13:1)
(Gases in metals) (Gases--Analysis)

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sov/75-14-4-14/30

5(2) AUTHORS: Kuznetsov, L. M., Makarov, Ye. S., Turovtseva, Z. M.

TITLE:

Quantitative Determination of Oxygen in the Lowest Titanium

Oxides by Radiographic Analysis

PERIODICAL:

Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 4,

pp 463 - 465 (USSR)

ABSTRACT:

As the lowest titanium exides the authors understand the solid solutions of oxygen in α -titanium with the composition TiO 0-10.42. Radiographic analyses of these compounds (Refs 1,2) show a steap sourse of the curves for the dependence of the lattice constant c on the oxygen content in a-titanium which crystallizes hexagonally. Based on this result, the radiographic method can be used for the quantitative determination of oxygen dissolved in α -titanium. In the paper under review, an experiment is made in this direction. The authors synthetized the lowest titanium oxides by saturating finely pulverized titanium with the calculated amount of gaseous oxygen at 500-550°. The powdery oxide preparations obtained were formed into small cylindrical columns at a pressure of

Card 1/3

Quantitative Determination of Oxygen in the Lowest

sov/75-14-4-14/30

Titanium Oxides by Radiographic Analysis

approximately 8000 kg/cm², and kept for 15 hours in a quartz tube at 1000+20° in order to obtain a uniform distribution of oxygen in the preparations. The annealed samples (TiO_{0,05} and TiO_{0.3}) showed a reduction in weight of from 4.10 - 7.10 g, which was probably caused by sublimation. The obtained preparations were light-grey at the points of rupture, and became dark on being ground fine. The composition of the preparations was determined by the method of the vacuum melt (Ref 3). The radiographic determination of the lattice constant was carried out by the method of Debye-Scherrer. In order to obtain most accurate values for the lattice constants, the asymmetric method according to Straumanis and Jevins (Ref 4) was used. One of the most important conditions for the maximum accuracy of this method is the use of powdered samples (thickness < 0.2 mm). The dimensions and conditions for the taking of X-ray spectra are indicated in the paper. The composition of the preparations under discussion, and the values of the corresponding lattice constants are shown in a table. The evaluation of the radiographs showed

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Quantitative Determination of Oxygen in the Lowest Titanium Oxides by Radiographic Analysis

SOV/75-14-4-14/30

that all lines of the samples with the composition ${\rm TiO}_{0-0.5}$ correspond to the hexagonal, tightly packed structure of α -titanium. Beginning with the oxide ${\rm TiO}_{0.5}$, a system of weak lines occurs in the radiographs which indicate a phase with variable composition on the basis of ${\rm TiO}_{0.5}$. The boundary for the uniformity of solid solutions of oxygen in α -titanium lies therefore approximately at the composition ${\rm TiO}_{0.48}$. A figure shows the dependence between the lattice constants c and the corresponding contents of oxygen in the lowest titanium oxides. The accuracy of the radiographic method used was ± 0.1 wt%. There are 1 figure, 1 table, and 5 references,

was ±0.1 wt%. There are 1 fi 2 of which are Soviet.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy, AS USSR, Moscow)

SUBMITTED: April 24, 1958

Card 3/3

TUROVTSEVA, Z.M., kend. fis.-mst.nauk.

Analyzing gases in metals; conference in Moscow. Vest. AM SSSR 28
(MIRA 11:10)
no. 9:114-115 S '58.
(Gases in metals--Congresses)

Turovtseva, Z. M., Candidate of

sov/30-58-9-43/51

AUTHOR:

TITLE:

Physical and Mathematical Sciences

Analysis of Gases in Metals (Analiz gazov v metallakh)

Conference in Moscow (Soveshchaniye v Moskve)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 9, pp. 114 - 115 (USSR)

ABSTRACT:

The conference took place in Moscow from June 24 to June 27. It was organized by: The Institut geokhimii i analiticheskoy khimii im.V.I.Vernadskogo i Komissiya po analiticheskoy khimii Akademii nauk SSSR (Institute of Geochemistry and Analytic Chemistry imeni V.I. Vernadskiy and the Committee for Analytic Chemistry of the AS USSR). 34

reports were heard and discussed.

Yu.A.Klyachko reported on different forms of the state of gases in metals and the selection of corresponding

methods of analysis. I.I.Kornilov spoke about the results of investigations of the phase diagram of the systems of the IV. column of elements containing oxygen and their importance for analytic chemistry.

L.L.Kunin, Ye.M.Chistyakova dealt with physico-chemical bases of gas determination in metals by means of melting

Card 1/2

Analysis of Gases in Metals. Conference in Moscow

organized.

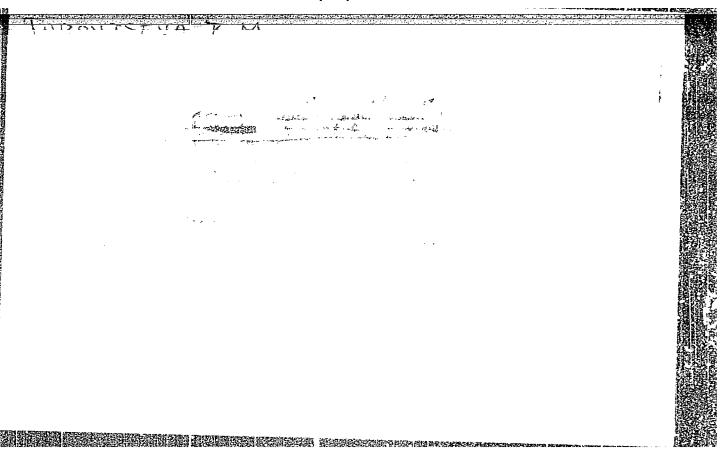
SOV/30-58-9-43/51

in a vacuum. A.N.Zaydel' and his collaborators reported on the further development of the isotopic equilibrium method for the determination of hydrogen in metals. Ye.D. Malikova's report dealt with problems of oxygen analysis in alkaline and alkali earth metals. The members of the conference stated that it is the most important task in the field of analysis of gases in metals to increase the sensitivity and exactness. The development

of spectrum methods of gas analysis in metals has to be promoted. The industrial production of devices has to be

Card 2/2

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AUTHORS:

Turovtseva, Z. H., Khalitov, R. Sh.

75-6-11/23

TITLE:

The Determination of Oxygen and Hydrogen in Titanium (Orredelaniye kisloroda i vodoroda v titane).

PERIODICAL:

Zhurnal Analiticheskoy Khimii, 1957, Vol. 12, Mr 6, pp. 720-712

(USSR).

ABSTRACT:

Both hydrogen and oxygen volatilize with the heating of titenium metal in vacuum. At lcoo^oC the hydrogen is completely removed from titanium. TiO2 is not completely reduced with heating in a graphite crucible at 2000°C. The optimum conditions for the reduction of tita= nium oxide are achieved by filling the graphite crucibles to 1/3 of their volume with coarse-grained graphite powder. The expulsion of the gases takes place in three stages, viz. 5 minutes at loco °C, 3c minutes at 1850°C and lo minutes at 2100°C. The results obtained with the determination of oxygen and hydrogen in titanium by the vacuum-method attain the accuracy of the chlorine method. With series-

analyses the errors amount to approximately lo%. The determination of 1,10-40/o oxygen in titanium is possible.

There are 2 tables, and 7 references, 2 of which are Slavic.

Card 1/2

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The Determination of Oxygen and Hydrogen in Titanium.

75-6-11/27

ASSOCIATION: Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy AN SSSR-Moscow (Institut geokhimii i analiticheskey khimii imeni V. I. Vernadskogo AN SSSR-Moskva).

SUBMITTED:

October 21, 1956.

AVAILABLE:

Library of Congress.

1. Titanium-Oxygen determination 2. Titanium-Hydrogen determination 3. Titanium oxide-Reduction

Card 2/2

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	MU.w.Vva, (M.F. Litvinova)	4
n	DETERMINATION OF GASEOUS IMPURITIES IN STRUCTURAL AND OTHER MATERIALS"	
· 0	y Z. N. Turcytseva, h. F. Litviseva	1
TUR	ceport presented at and Un Atoms-for-Deace Conference, Seneva, 9-13 Usit 1958	
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。 1987年,1987年,1988年 - 1988年 -

AUTHOR:

Turovtseva, Z.M.

32-12-14/71

TITLE:

The Methods of Determining Gas in Ferrous Metals (Metody opredeleniya

gazov v chernykh metallakh).

PERIODICAL:

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1432-1436 (USSR)

ABSTRACT:

The present survey is divided into 3 chapters: The determination of gas in steel by the method of melting in the vacuum. This method, which was suggested for the first time by Oberhoffer, is the one that is the most used in the USSR. The greatest attention was recently paid to the further development of corresponding apparatus, as also to the investigation of the effect of various components of alloys on the processes of analysis. Determination of the oxygen contents in steel according to the method mentioned in principle presents no difficulties, but, e.g., the absorption of the carbon acid in metal sublimation causes several effects which disturb the processes of analysis (they are enumerated). In order to diminish the disturbing absorption of the gases to be extracted a special device of quartz glass was constructed by the Central Research Institute for Iron Metals, which is introduced into the gas flow hereby diminishing its absorption activity. — In the chapter: Determination of

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The Methods of Determining Gas in Ferrous Metals

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oxygen during melting in the argon atmosphere a corresponding apparatus is recommended, which consists of the following parts: A vessel for "ascarite" and magnesium perchlorate; a holder for the samples; an induction furnace, a monostat; a measuring reagent (Shulz); a capillary catcher and manometer; an uranium furnace; 6 brass faucets; a glass vat with magnesium perchlorate. Under the conditions of the argon atmosphere the volatility of the Ti, Mn, and Al-components is diminished and the possibility of the formation of a coating is excluded. In the chapter: Determination of oxygen in carboniferous steel by means of the D.C. are the possibility of applying methods of spectral analysis is dealt with. In this connection a special additional device to the spectrograph is suggested, which consists of a high vacuum system and a gas purifier, and which possesses a special excitation camera. In the chapter: Determination of oxygen in iron by the isotope method it is said that this method makes it possible to obtain accurate results, but in view of the fact that it takes too much time and requires the use of apparatus, it is (in the USSR) for the time being used only for the control of other methods. In the case of the analysis carried out for the determination of the gas

Card 2/3

The Methods of Determining Gas in Ferrous Metals

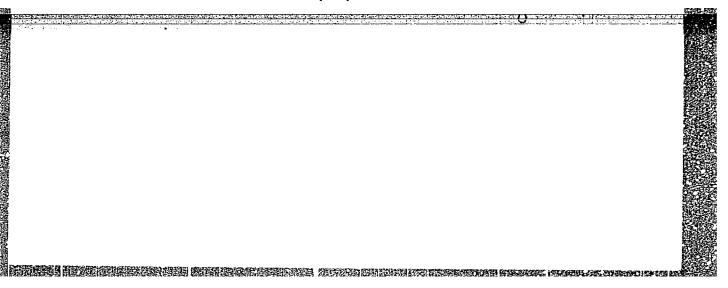
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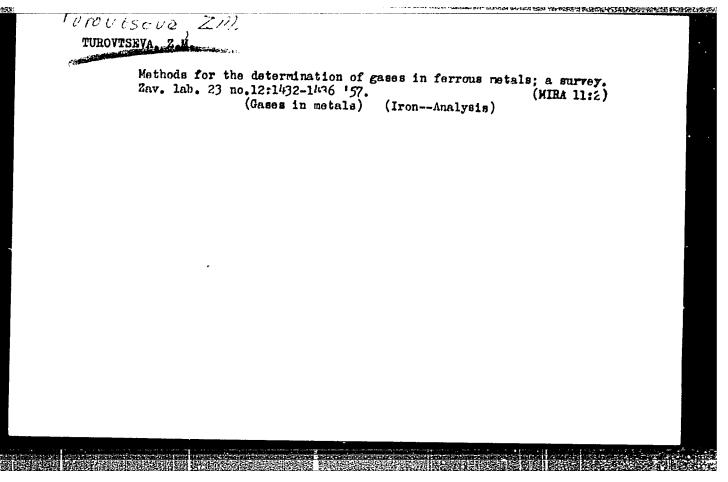
content in steel this method is not yet being employed in the USSR. Further research work in this field is recommended. There are 4 figures, 4 tables, and 29 references, 4 of which are Slavic.

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1. Ferrous metals-Gas determination 2. Iron-Oxygen determination-Isotope method 3. Steel-Oxygen determination-D.C. arc method



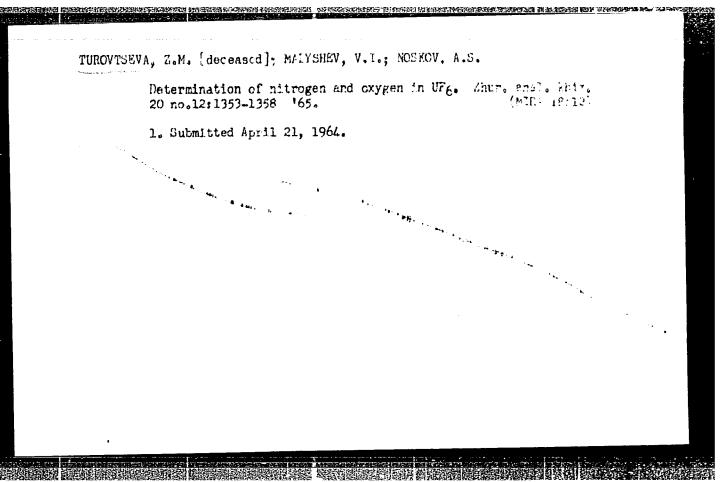


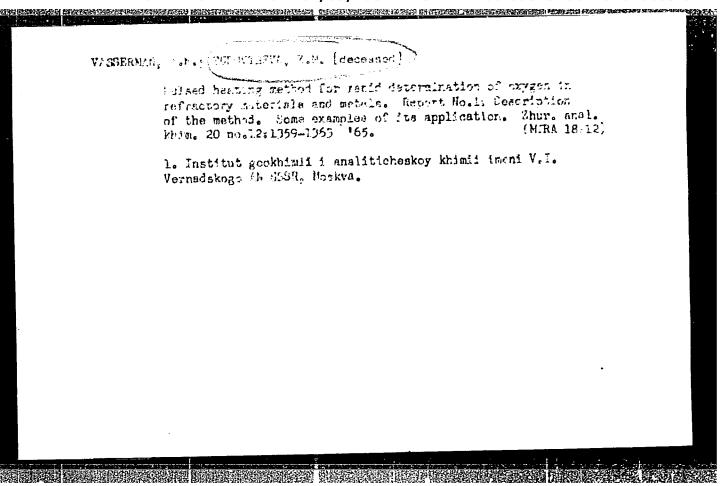
TUROVISEVA, Z.M.; LITVINOVA, N.F.; MIKHAYLOVA, G.V.; NOSKOV, A.S.; KHALITOV, R.Sh.

Apparatus for determining the content of gases in metals [with summary in English]. Zhur.anal.khim. 12 no.2:208-213 Mr-Ap '57. (MLRA 10:7)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo akademii nauk SSSR, Moskva.
(Chemical apparatus) (Gases in metals)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001757610009-5"





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I. 36825-66 EWT(m)/EWF(t)/ETI IJP(c) ES/WW/JW/JD/JG ACC NR: AP6014143 SOURCE CODE: UR/0075/65/020/012/1353/1358 SUTHOR: Turovtseva, Z. M. (Deceased); Malyshev, V. I.; Moskov, A. S. E	
UTHOR: Turovtseva, Z. M. (Deceased); Malyanev, v. 1., Assas,	
ORG: none TITLE: Determination of nitrogen and oxygen in uranium hexafluoride	
SOURCE: Zhurnel enaliticheskoy khimii, v. 20, no. 12, 1966, 1353-1358	
TOPIC TAGS: quantitative analysis, oxygen, nitrogen, uranium compound, fluoride	
ABSTRACT: The method described is based on measurement of the intensity of the nitrogen bands $\lambda = 4278$ Å or $\lambda = 4236$ Å and the oxygen line $\lambda = 7772$ Å under special discharge conditions in an enriched mixture of air with UF6. The concentrations of nitrogen and oxygen are determined by a nomograph obtained with the use of specially prepared standard by a nomograph obtained with the use of specially prepared standard solutions. The article contains detailed schematic diagrams of the apparatus used. It then proceeds to a description of a photoelectrical apparatus used. It then proceeds to a description of a photoelectrical	_
apparatus used. It then proceeds to a description of a photostativity method for determination of the amount of air in UF6. The sensitivity of the mothod is approximately the same as that of the photographic method. Orig. art. has: 6 figures.	<u> </u>
SUB CODE: 07/ SUBM DATE: 21Apr64/ OTH REF: 001 Cord 1/1 UDC: 543.70	

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TUROWSKA, A.

POLAND / Chemical Technology, Chemical Products and Their

Application. Part 3: - Treatment of Solid Combustible

Minefals.

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12485.

: A. Turowska, B. Jedrzejczuk. Author

: Institute of Ministry of Metallurgy. Inst

: Interferometric Method of Determination of Benzene and Some Title

Other Impurities in Coal Gas.

Orig Pub : Prace inst. Min-wa hutn., 1957, 9, No 2, 87 - 92.

Abstract : The interferometric method was applied to the determina-

tion of benzene, ammonia, hydrogen sulfide and naphthalene contents in gases of coke-by-product and gas works; methods of interferometer calibration, technical conditions to be satisfied by activated carbon and the condition, under which

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POLAND / Chemical Technology, Chemical Products and Their
Application. Part 3. - Treatment of Soild Combustible
Minerals.

Abe Jour : Referat. Zhur. Khimiya, No 4, 1958, 12485.

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Abstract: analyses must be carried out, were developed. It is shown that this method is quite justified for benzene determination, because it is simple enough, sufficiently accurate and needs only 50 min. for an analysis; if the technological regime of coking was changed, or the charge was altered, a recalibration of the device is necessary. The method is also applicable to the determination of ammonia and hydrogen sulfide in raw gas, but it proved to be useless to the determination of naphthalene.

Card 2/2

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· POLAND/Chemical Technology - Chemical Products and Their Applications - Treatment of Solid Fuels.

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Abs Jour

: Ref Zhur - Khimiya, No 11, 1958, 37479

Author

: Turowska, A., Jedrzejczyk, B.

Inst

Title

Chromatographic Analysis of Gases.

Orig Pub

: Gaz. Woda, techn. sanit, 1957, 31, No 7, 266-269

Abstract

A chromatographic method for the analysis of coal gas has been established. The apparatus consists of two chromatographic columns 0.5-0.6 cm in diameter. One column is 280 cm long and contains activated carbon (I) the other is 180 cm long and is filled with zeplite (II). Czechoslovak carbon "Supersorbon" 0.20-0.25 mm mesh or Polish coals NG and HG 0.2-0.4 mm mesh, dried at 140°C, may be used as (I). CO2, used as a gas carrier, is stripped beforehand of H2S, HCl and moisture (air content ~ 0.05%), and is passed through the columns at a

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: Ref Zhur - Khimiya, No 11, 1958, 37479

rate of 40 ml/min. About 4 ml of test gas are introduced, initially, into the first column, from which components are elluted with CO₂ into a micronitrometer (MN), filled with a 50% solution of KOH, and equipped with two graduated, 21 cm scales. The lower scale has 0.02 ml divisions; while the upper, narrower one has 0.01 ml divisions. Bubbles of H₂, N₂ + O₂ mixture, CO and CH₁₄ appear subsequently in (MN). Their volume is measured separately. The determination time \sim 20 min., error is $^{\pm}$ 0.6%. Lapse of time between the separation of N₂ O₂ and CO is \sim 10 sec. An increase of column length to 380 or 460 cm still doesn't permit the separation of N₂ from O₂. CO is separated together with N₂ + O₂, when 180 cm long column is used. In order to determine hydrocarbons of higher number of C atoms, another 4 ml of test gas sample are chromatographically analyzed in the

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'POLAND/Chemical Technology - Chemical Products and Their Applications - Treatment of Solid Fuels.

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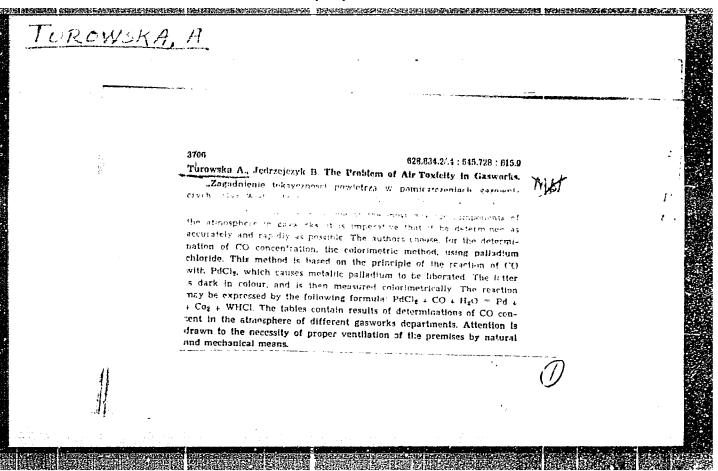
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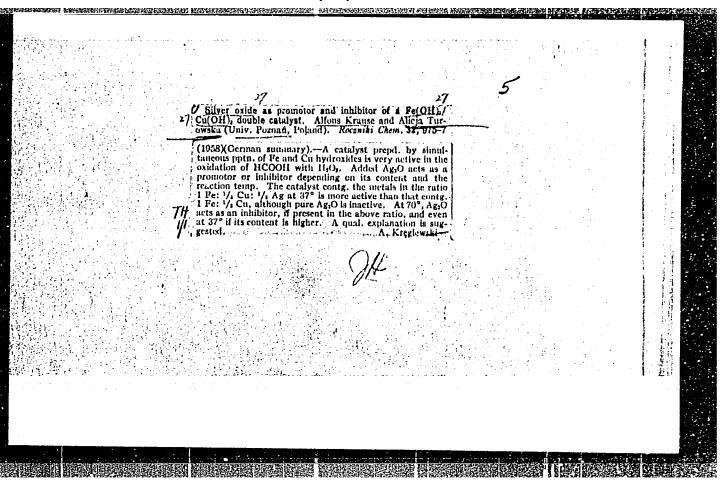
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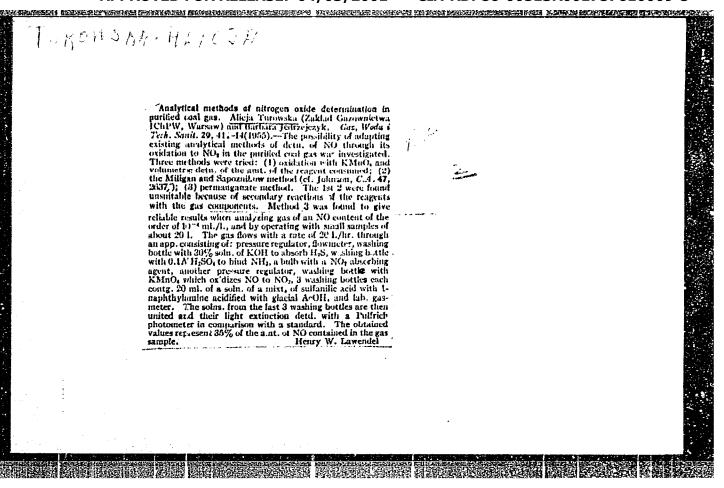
column containing (II). Volumes are measured in MN in the following order: $^{\rm H_2}$ + $^{\rm CO}$ + $^{\rm N_2}$ + $^{\rm O_2}$ + $^{\rm CH_4}$, $^{\rm C_2H_6}$, $^{\rm C_2H_4}$, $^{\rm C_2H_2}$, $^{\rm C_3H_8}$, $^{\rm n}$

C4H10, iso C4H10.

Card 3/3







TUROWSKA, Maria

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1. Department of Inorganic Chemistry, University, Lodz.

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TUROWSKI, T.

Unduly prolonged waiting time for the repari of locomotives.

P. 292 (Przeglad Kolejowy Mechanic ny. Vol. 8, no.10, Oct. 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EFAI) I.C. Vol. 7, no. 2, February 1958

BUDBIKOV, M.S., doktor tekhnicheskikh nauk professor, redakter; TUROVSKIY, B., redaktor; GARSHAHOV, A., tekhnicheskiy redakter.

[Specifications for mass-produced spartment] Tekhnologicheskee proektirovanid pri vozvedenii seriinykh shilykh denev. Ped red. M.S.Budnikeva. Kiev, Izd-vo Akademii arkhitektury USSR, 1955. 153 p.(MIRA 9:5)

1.Akademiya arkhitektury USSR. Hauchno-issledovatel'skiy institut streitel'ney tekhniki. (Apartment houses)

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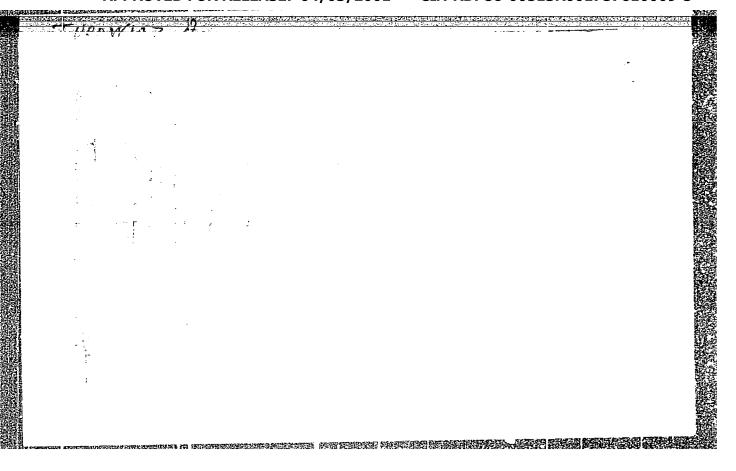
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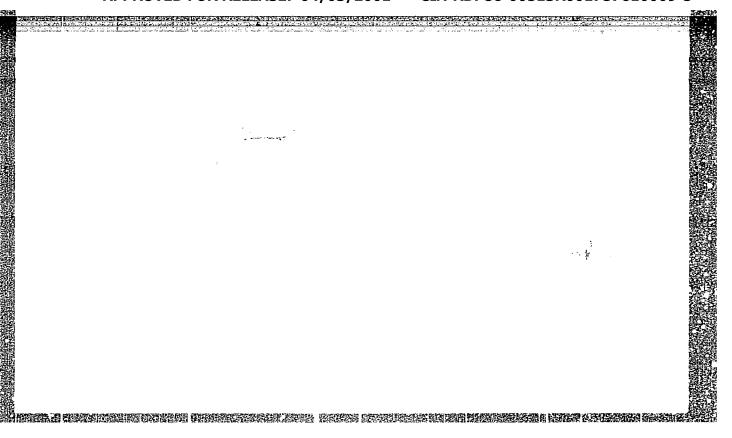
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GORECKI, Henryk; TUROWICZ, Andrzej

Root locus method of characteristic equations. Archiv automat 10 no.1:11-27 '65.

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1. Department of Automation and Electronics of the School of Mining and Metallurgy, Krakow. Submitted April 4, 1964.

TUROWICZ, A. (Tyniec)

Solutions of differential equations according to E.E. Wiktorovski. Annales Pol math 16 no.3:377-380 '65.

1. Krakow Branch of the Institute of Mathematics of the Polish Academy of Sciences. Submitted March 7, 1964.

AUTHOR: Gorecki, H. (Quretaki, G.); Purowicz, A. (Purovich, A.)

TITLE: Character.stic equation root locus method

Constitution of the property of the control of the contr



PLIS, A. (Krakow); TUROWICZ, A. (Tyniec)
On chords of convex bodies. Col math 12 no.1:87-89 164
1. Mathematical Institute, Polish Academy of Sciences.

GORECKI, H.; TUROWICZ, A. (Krakow)

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164.

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Emission zones of trajectories and quasi trajectories of nonlinear control systems. Bul Ac Pol mat 11 no.2:47-50 '63.

1. Instytut Matematyczny, Oddział Krakow, Polska Akademia Nauk. Presented by T. Wazewski.

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TUROWICZ, A.

Remark on the emission zones of trajectories and quasi trajectories on nonlinear control systems. Bul Ac Pol mat 11 no.5:241-243 '63.

1. Instytut Matematyczny, Oddział Krakow, Polska Akademia Nauk. Presented by T. Wazewski.

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1. Instytut Matematyczny, Oddizal Krakow, Polska Akademia Nauk. Presented by T. Wazewski.

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1. Instytut Matematyczny, Oddział Krakow, Polska Akademia Nauk.
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On the solution of algebraic equations by means of the Euler method. Annales pol math 12 no.2:185-190 '62.

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SOURCE: East European Accessions List (FFAL) LC VOL. 5, No. 6, June 1956

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WITKO, Jan (Bystrzyca Slaska); TUROWICZ, St., mgr. inz. (Krakow)

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i bud mleszk 33 no.11:693-694 N '61.

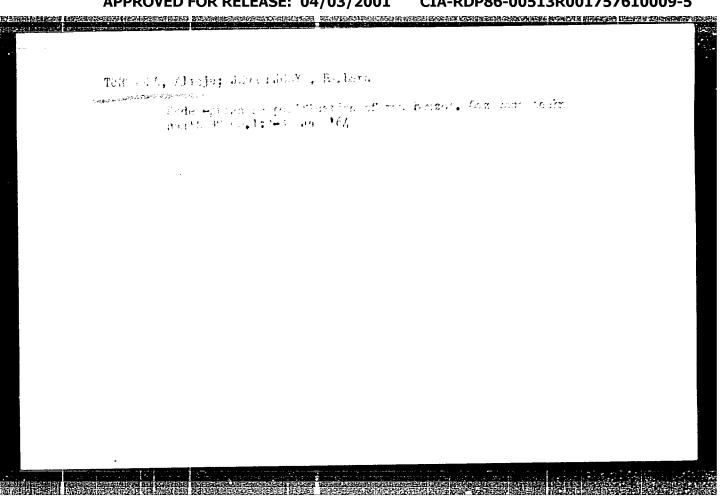
TUROWICZ, Stanislaw (Nowa Huta)

Application of CaCl₂ and NaCl in concrete during winter.

Przegl budowl i bud mieszk 33 no.1:49-52 Ja *61

3-9 : Poland COUNTRY CATEGORY ABS. JOUR.: RZKhim., Ro. 22 1959, Ro. 77826 : Krause, A. and Turowska, A. AUTHOR : Not given IFST. : On the Optimum Composition and Activity of Two-TITLE Component Catalysts as a Function of the Reaction ORIG. PUB.: Roczniki Chem, 32, No 5, 1195-1197 (1958) : The authors have investigated the oxidation of ABSTRACT HCOOH with $H_2 O_2$ at 37-80° in the presence of the two-component catalyst Fe(OH), -Cu(OH)2. It is shown that as the reaction temperature is changed, the maximum activity of the catalyst depends on its composition. At 37° the most active catalyst was found to be a mixture of hydroxides in which the Fe : Cu atomic ratio is 1 : $\frac{1}{2}$, while at 50-80° optimum activity was obtained with a mixture corresponding to an Fe : Cu ratio of + : 1. O. Polotnyuk CARD: 1/1

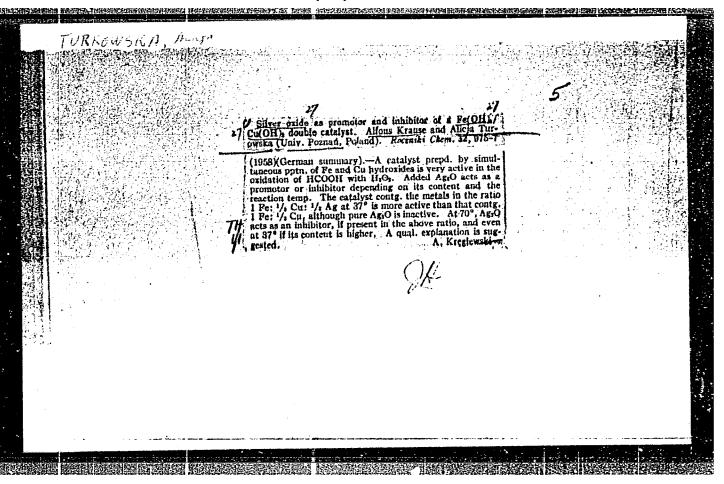
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JEDRZEJCZYK, Berbara, mgr.; 11 DEKACA, Janine, mgr.; TOROMSKA, Alicja, mgr.

Certain analytic and production problems in the gas industry of the German Demogratic Republic. Gaz woda techn sanit 38 no.5x152-154 My *64

1. Central Gas Hagineering Laboratory, Warsaw.

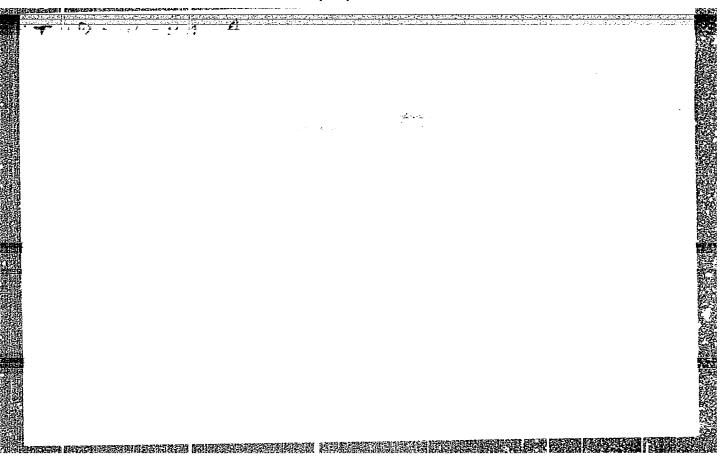


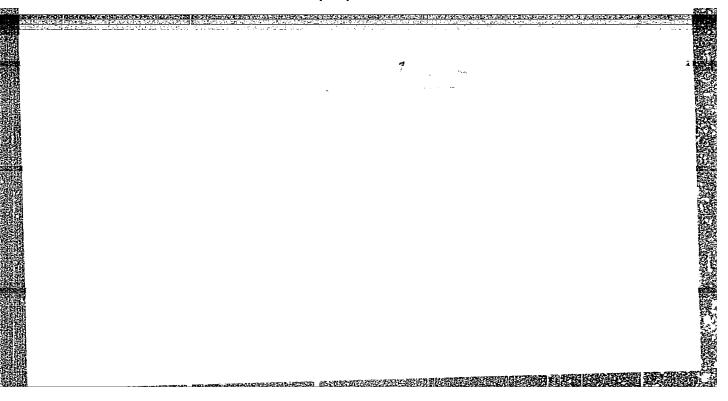
MUROWSKA, A.; KRAUSE, A.

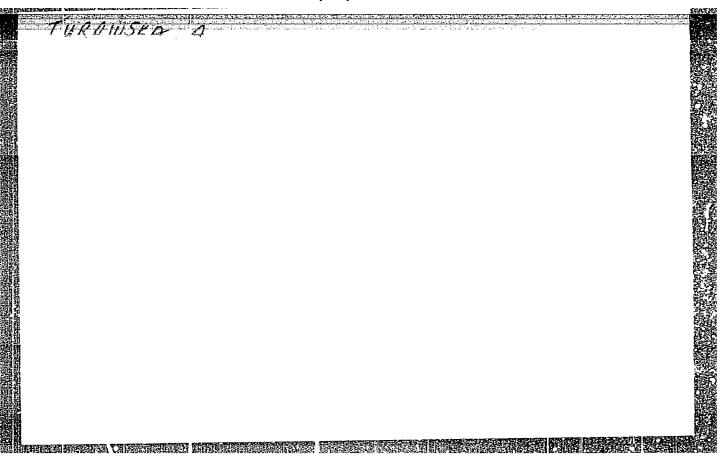
()n the behavior of zinc hydroxide as a component of a ∞ mpound catalyzer of amphoteric metal hydroxides. p. 497

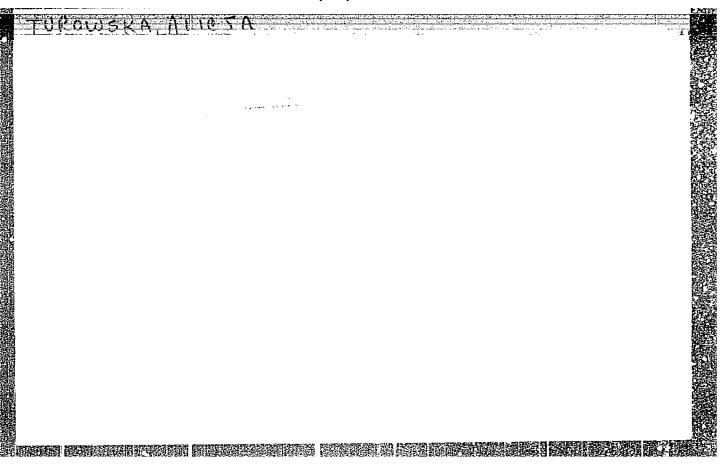
ROCZNIKI CHEMII. (Polska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 2, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 9, September 1959. Uncl.









TUROW SKA

POLAND / Physical Chemistry, Kinetics. Combustion. Explosions. Topochemistry. Catalysis.

B

: Ref Zhur - Khimiya, No 12, 1959, No. 41680 Abs Jour

Krause, Alfons; Turowska, Alicja Author

Not given Inst

Silver Oxide as a Promoter and Inhibitor Title

of a Two-Component Catalyst Fe(OH)3/

Cu(OH)2

: Roczn. chem., 1958, 32, No 4, 975-977 Orig Pub

An air-dried catalyst (C) obtained by a Abstract

simultaneous precipitation of Fe(+3) and Cu(+2) hydroxides greatly accelerates HCOOH (0.1 n. solution) oxidation with hydrogen peroxide (0.6% solution). In-

troduction of Ag20 into the above catalyst

Card 1/3

POLAND / Physical Chemistry. Kinetics. Combustion. Explosions. Topochemistry. Catalysis.

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Abs Jour : Ref Zhur - Khimiya, No 12, 1959, No. 41680

as a third component produces various effects, depending on C composition and on the reaction temperature. It has been established that Ag₂O serves either as a catalyst promoter or as its inhibitor. For example, C consisting of Fe: 1/3 Cu: 1/3 Ag is 1.26 times more active than C consisting of Fe: 1/3 Cu at the reaction time of 400 minutes and at a reaction temperature of 37°. This is true in spite of the fact that Ag₂O by itself is inactive in the reaction. An increase of the reaction temperature to 70° causes Ag₂O to behave as an inhibitor. Retarding action

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В

POLAND / Physical Chemistry. Kinetics. Combustion. Explosions. Topochemistry. Catalysis.

: Ref Zhur - Khimiya, No 12, 1959, No. 41680

of Ag20 was also obtained at 370 if its content in the C is increased (Fe: 1/2 Cu: 1/2 Ag). The duality of the catalytic action of Ag20 may be explained by the for-mation of complex compounds from separate components of the catalyst which possess various activities. Upon transferring of the three-component C into the solution (prolonged boiling in HCOOH solution), a homogeneous mixture of Fe+3 + Cu+2 + Ag[†] ions is obtained. This mixture has been shown to be only slightly active. -- 0. Polotnyuk

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Abs Jour

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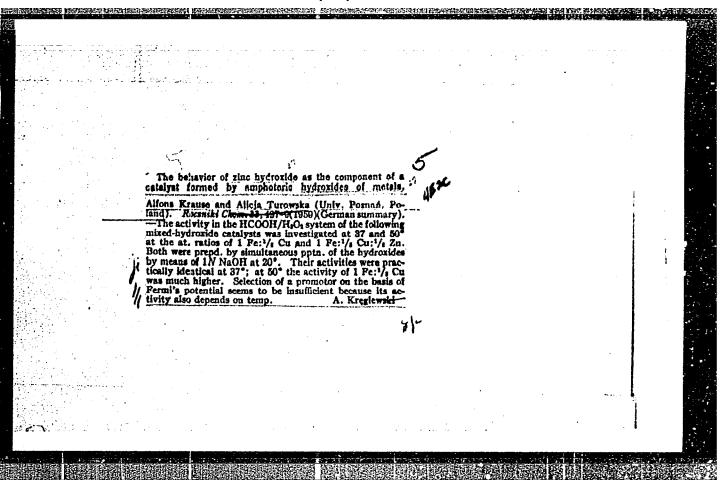
TURUNSKA, A.; IRANSA, A.

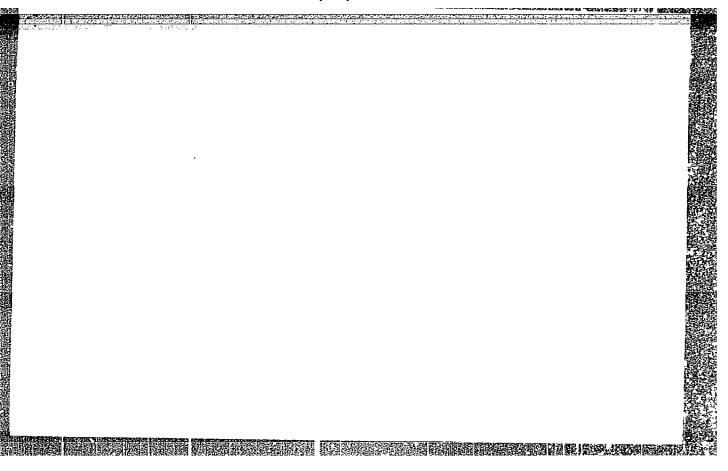
The optimum composition and activity of a two-component catalyst depending on the reaction temperature. p. 1195

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PRZYBYLKIEWICZ, Zdzislaw; POREBSKA, Alicja; ZEMBUROWA, Krystyna; TUROWSKA, Bozena

Immunoelectrophoretic analysis of rabbit precipitins against human serum proteins. I. Homologous reaction. Acta med. pol. 4 no.1: 105-125-163.

l. Department of Medical Microbiology, Medical Apademy, Cracow Director: Prof. Dr. Z. Przybylkiewicz. Serum and Vaccine Production Laboratories, Cracow Director: Dr. Z. Moszczenski. (PRECIPITINS) (IMMUNOELECTROPHORESIS)

PRZYBYLKIEWICZ, Zdzislaw; POREBSKA, Alicja; ZEMBUROWA, Krystyna; TUROWSKA, Bozena

Immunoelectrophoretic analysis of rabbit precipitins against human serum proteins. II. Heterologous reaction. Acta med. pol. 4 no.1: 127-142 63.

1. Department of Medical Microbiology, Medical Academy, Gracow Director: Prof. Dr. Z. Przybylkiewicz Serum and Vaccine Production Laboratories, Cracow Director: Dr. Z. Moszczenski.

(IMMUNOELECTROPHORESIS) (PRECIPITINS)

TUROWSKA, Bozena; SOBOL, Andrzej

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(IMMUNE SERUMS) (SALMONELLA TYPHOSA immunol)
(SHIGELLA immunol)

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MAREK, Zdzielaw; JAEGERMANN, Kazimierz; TUROWSKA, Bozona

Determination of the group of proteins using the method of electric precipitation on agar gel (electroimmunoprecipitation). Folia med. Cracow. 6 no.1:83-91 164

KOBIELA, Jan; TURCWSKA, Bozena; GAWRZEWSKI, Wioslaw; URASINSKI, Ignacy

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1. Institute of Forensic Medicine, School of Medicine, Cracow, and IInd Clinic of Internal Diseases, School of Medicine, Cracow.

TUROWSKA, Bozena; TUROWSKI, Cabriel

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KOBIEIA, Jan; MAREK, Zuzlaiau; Tukowska, Bozena

The Cc group system in the Polish population. Folia med. Gracov.
6 no.3:355-361 164.

TUROWSKA, Fozena; KOBIKLA, Jan; doc. dr.; MIECZNIKOWSKA, Maria; JUGOWSKA, Elzbieta.

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Group system of haptoglobins in newborn infants. Med. dosw. microbiol. 17 no.1:67-70 '65.

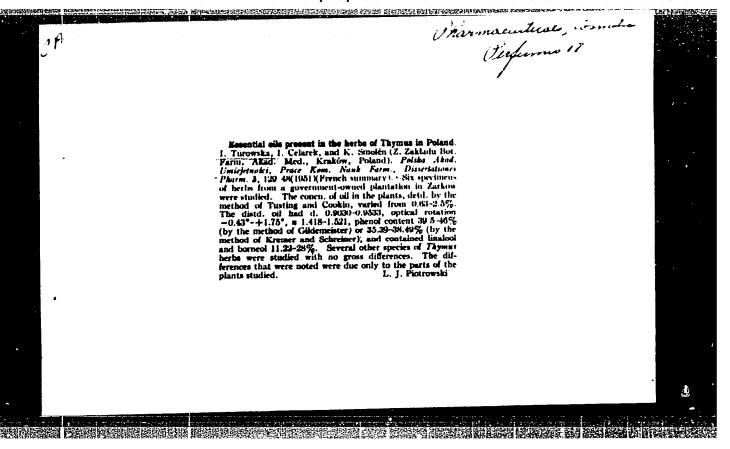
1. Z Zakladu Medycyny Sadowej Akademii Medycznej (Kierownik: doc. dr. J. Kobiela) i z Oddzialu Ginekologiczno-Polozniczego Szpitala im. G. Narutowicza w Krakowie.

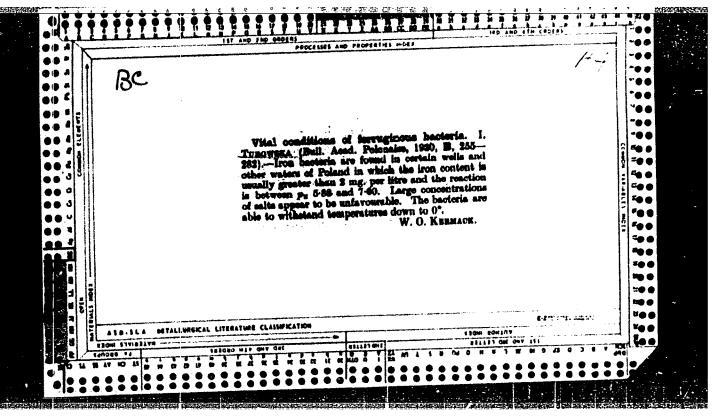
GANCZARSKI, A.; DUNIN-HORKAMICZ, H.; HOROSZEWICZ, J.; KASPEROMICZ, J.; ORLOWSKA, I.;

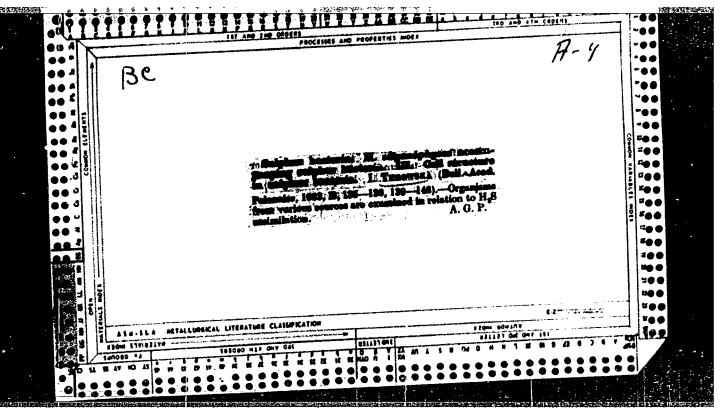
STEMPINE, R.; TURONSKA, I.; WISHIEWSKA, A.

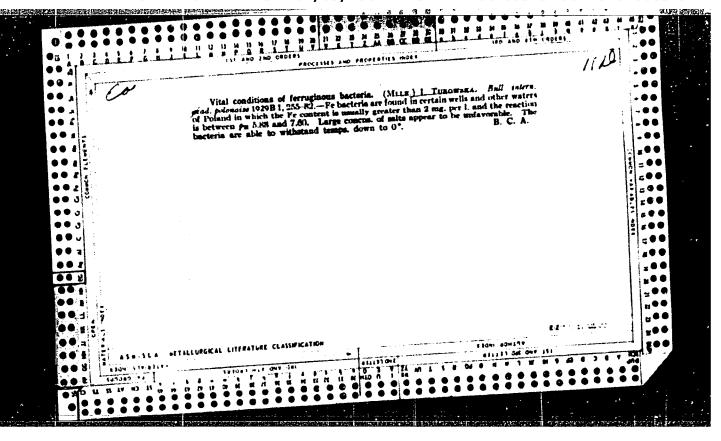
Affect of isonicotinic acid hydraside on morphology and biology of Mycobacterium tuberculosis, on saprophytic bacteria, and on experimental tuberculosis in laboratory animals. Med. dosw. mikrob. (CIMI, 25:5)

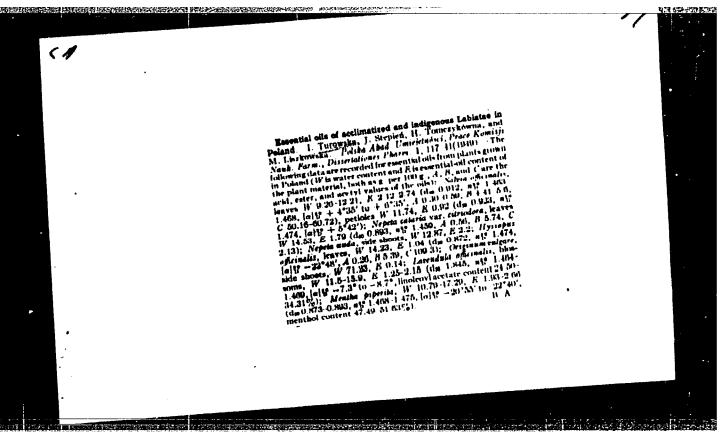
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POLAND / Cultivated Plants. Medicinal. Essential M-7Oils. Toxins.

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Abs Jour: Ref Zhur-Biol., No 6, 1958, 25246

: Turowska, I., Olesinski, A., Tum-Smajda, K. I.,

Cybura, R.

: Not given Inst

: Investigation of Several Medicinal Flavoring Title

Plants of the Family Labiatae. Part 1. Ocimum.

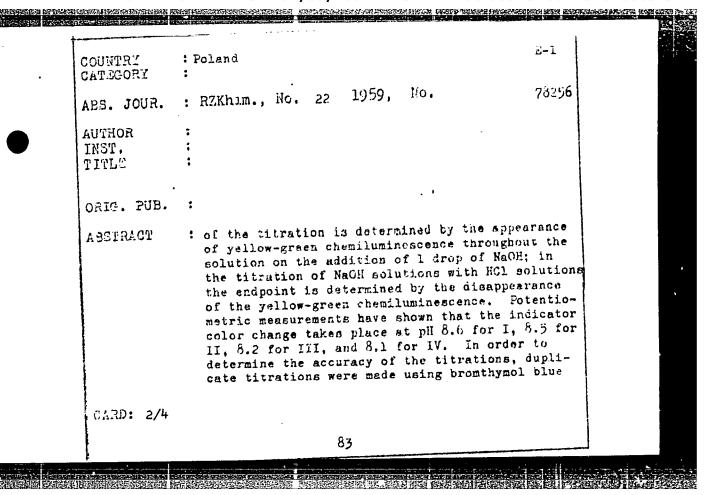
Orig Pub: Dissert. pharmac. PAN, 1956, 7, 36-101 (Polish;

res. Russ., Eng.)

Abstract: A survey of the contemporary state of research on the family Ocimum is given. Through selection work, done on material obtained from Yugoslavia and Portugal, 30 forms have been selected, related to the species O. basilicum, O. sanctum and O. minimum. Information is given on the output of

Card 1/2

£-1 : Analytical Chemistry -- General COUNTRY CATEGORY 78256 ABS. JOUR.: RZKhim., No. 22 1959, No. : Michalski, F. and Turowska, M. AUTHOR : Derivatives of Discridine as Chemiluminescent ; Not given IMST. TITLE Indicators. I. ORIG. PUB. : Chem Analit, 3, No 3-4, 599-607 (1958) : The feasibility of the application of the nitrates of N,N'-dipropyl- (I), N,N'-ditolyl- (II), N,N-ABSTRACT diphenyl- (III), and N, N-diallyldiacridine (IV) as chemiluminescent indicators (CI) in the titration of strong acids with strong bases has been investigated. O.Ol N. O.1 N. and O.5 N solutions of HCl and NaOH were used in the titrations. To the solutions to be titrated are added 5 ml of a 0.04% solution of CI and 5 ml of 3% H2O2; the resulting solution is titrated in the dark (magnetic stirring) with CO2-free NaOH. The endpoint CARD: 1/4



COUNTRY : Poland E-1 CATEGORY :

ABS. JOUR.: RZKhim., Bo. 22 1950, No. 78256

AUTHOR : IVOT. : TITLE :

ORIG. PUB. :

ABSTRACT : and phenolphthalein as indicators. The relative

differences in the results obtained from titrations of HCl solutions with NaOH solutions using CI are 0.12% when compared with the results obtained when bromthymol blue is used and 0.05% when phenolphthalein is used as the comparison standard. The addition of aliphatic alcohols (methyl, ethyl, n-propyl, isobutyl) to the solutions to be titrated increases the intensity of luminescence and the accuracy of the titration.

CARD: 3/4